

**WHAT IS CLAIMED IS:**

## 1. A revolving-door assembly comprising:

a plurality of radially-extending door sections rotatably mounted about a vertical rotary axis within a passageway for controlling the flow of traffic through said passageway;

each of said radially-extending door sections including a radially-extending inner panel and at least one radially-extending outer panel;

said radially-extending inner panels being mounted for rotation about said vertical rotary axis;

each of said radially-extending outer panels being movable radially outwardly away from, and inwardly towards, the respective radially-extending inner panels to assume an outermost position when the respective radially-extending door section is located perpendicularly to said flow of traffic, and an innermost position when the respective radially-extending door section is located parallel to said flow of traffic.

2. The revolving-door assembly according to Claim 1, wherein each of said radially-extending outer panels includes movable coupling elements carried by the outer panels coupled to fixed coupling elements fixed within said passageway for effecting said radial movements of the radially-extending outer panels.

3. The revolving-door assembly according to Claim 2, wherein said movable coupling elements are carried by the outer ends of said radially-extending outer panels, and are coupled to tracks fixed to overlie and/or underlie said passageway.

4. The revolving-door assembly according to Claim 1, wherein each of said radially-extending door sections includes one of said inner panels and one of said outer panels.

5. The revolving-door assembly according to Claim 1, wherein each of said radially-extending door sections includes one of said inner panels and at least two of said outer panels.

6. The revolving-door assembly according to Claim 1, wherein said plurality of radially-extending door sections includes four equally-spaced door sections, each including a radially-extending inner panel and at least one radially-extending outer panel.

7. The revolving-door assembly according to Claim 6, wherein each of said radially-extending door sections includes one of said inner panels and one of said outer panels.

8. The revolving-door assembly according to Claim 6, wherein each of said radially-extending door sections includes one of said inner panels and at least two of said outer panels.

9. The revolving-door assembly according to Claim 6, wherein each of said radially-extending outer panels includes movable coupling elements carried by the outer panels coupled to fixed coupling elements fixed within said passageway for effecting said radial movements of the radially-extending outer panels.

10. The revolving-door assembly according to Claim 6, wherein said movable coupling elements are carried by the outer ends of said radially-extending outer panels, and are coupled to tracks fixed to overlie and/or underlie said passageway.

11. The revolving-door assembly according to Claim 1, wherein said plurality of radially-extending door sections includes two diametrically-aligned door sections, each including a radially-extending inner panel and at least one radially-extending outer panel.

12. The revolving-door assembly according to Claim 11, wherein each of said radially-extending door sections includes one of said inner panels and one of said outer panels.

13. The revolving-door assembly according to Claim 11, wherein each of said radially-extending door sections includes one of said inner panels and at least two of said outer panels.

14. The revolving-door assembly according to Claim 11, wherein each of said radially-extending outer panels includes movable coupling elements carried by the outer panels coupled to fixed coupling elements fixed within said passageway for effecting said radial movements of the radially-extending outer panels.

15. The revolving-door assembly according to Claim 11, wherein said movable coupling elements are carried by the outer ends of said radially-extending outer panels, and are coupled to tracks fixed to overlie and/or underlie said passageway.

16. A revolving-door assembly comprising:

four equally-spaced radially-extending door sections rotatably mounted about a vertical rotary axis within a passageway for controlling the flow of traffic through said passageway;

each of said radially-extending door sections including a radially-extending inner panel and at least one radially-extending outer panel;

said radially-extending inner panels being mounted for rotation about said vertical rotary axis;

each of said radially-extending outer panels being movable radially outwardly away from, and inwardly towards, the respective radially-extending inner panels to assume an outermost position when the respective radially-extending door section is located perpendicularly to said flow of traffic, and an innermost position when the respective radially-extending door section is located parallel to said flow of traffic.

17. The revolving-door assembly according to Claim 16, wherein each of said radially-extending door sections includes one of said inner panels and one of said outer panels.

18. The revolving-door assembly according to Claim 16, wherein each of said radially-extending door sections includes one of said inner panels and at least two of said outer panels.

19. A revolving-door assembly comprising:

two diametrically-aligned door sections rotatably mounted about a vertical rotary axis within a passageway for controlling the flow of traffic through said passageway;

each of said diametrically-aligned door sections including a radially-extending inner panel and at least one radially-extending outer panel;

said radially-extending inner panels being mounted for rotation about said vertical rotary axis;

each of said radially-extending outer panels being movable radially outwardly away from, and inwardly towards, the respective radially-extending inner panels to assume an outermost position when the respective diametrically-aligned door section is located perpendicularly to said flow of traffic, and an innermost position when the respective diametrically-aligned door section is located parallel to said flow of traffic.

20. The revolving-door assembly according to Claim 19, wherein each of said diametrically-aligned door sections includes one of said inner panels and one of said outer panels.

21. The revolving-door assembly according to Claim 19, wherein each of said diametrically-aligned door sections includes one of said inner panels and at least two of said outer panels.